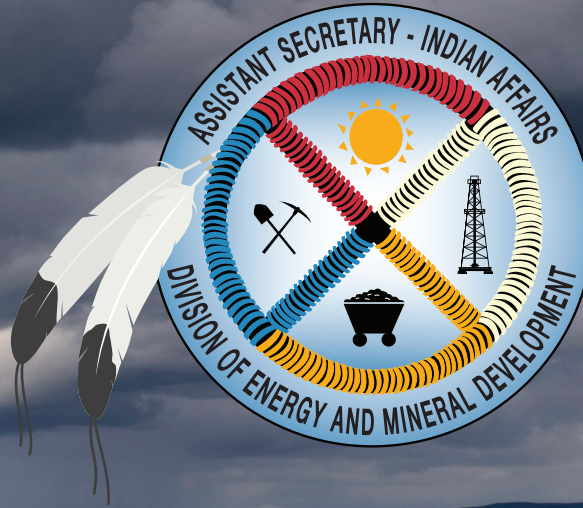


**Working with Tribal Communities to build energy and mineral
solutions which create sustainable economies in Indian Country**



**ASSISTANT SECRETARY - INDIAN AFFAIRS
OFFICE OF INDIAN ENERGY AND ECONOMIC DEVELOPMENT
DIVISION OF ENERGY & MINERAL DEVELOPMENT**



MISSION

Provide the best possible technical and economic advice and services in assisting Indian trust mineral owners to achieve economic self-sufficiency, and creating sustainable economies through the environmentally sound development of their energy and mineral resources.

SERVICES

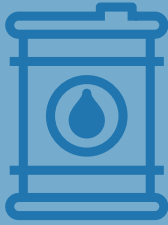
Provide the best technical assistance to federally recognized Tribes, including Alaska Native Villages to identify and implement opportunities to maximize their revenue stream and resource development in a variety of ways:

1. Provide Tribes dedicated and accessible engineers, geologists, geophysicists, and business oriented staff to provide technical support for Tribes.
2. Provide sophisticated economic planning and analysis.
3. Provide Tribes with technical information to increase the Tribe's negotiating power as they cultivate lease agreements.
4. Assist Tribes in marketing their energy and mineral resources.
5. Serves as a liaison between Tribes and industry to develop potential partnerships.
6. Helping Tribes prepare the information needed to have easier access to capital for project implementation.

Respecting Tradition. . .While on the Path to Prosperity

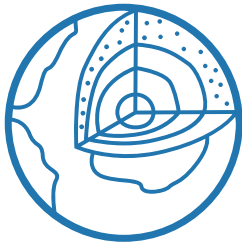


*NIOGEMS training session for
Utah & Ouray employees*



FLUID MINERALS

The Division's oil and gas professionals provide technical support for all oil and natural gas energy resources for Indian Tribes. The program provides integrated geophysical, geological, engineering, and economic analysis services to Tribes with oil and natural gas resources on their lands. This includes the collection and interpretation of geologic and geophysical data sets, well logs, cores, geochemical data, and 2D and 3D seismic data; in-depth oil and gas lease or IMDA reviews using engineering, geologic and economic analyses; and networking, functioning as liaison between Indian Tribes and industry.



GEOTECHNICAL DATA SERVICES (GDS)

The GDS team maintains digital seismic datasets. This data consists of both 2D and 3D surveys acquired from the early 80s to present day. Tribes can invite oil and gas companies or other investors who are interested in exploration and developing new prospects on Indian lands to view this data.



SOLID MINERALS

The Division's Solid Minerals team provides technical assistance for Indian Tribes and allottees in assessing and developing their mineral and aggregate resources. The goal is to support Tribes through the resource evaluation and marketing study stages and to assist in bringing mineral and aggregate resources into production or into profitable joint ventures with seasoned, well-financed industrial partners. The team can provide various types of assistance, including costs analyses, market studies, economic analyses, and manpower requirements critical to Tribes to ensure that they make informed decisions regarding business options.



RENEWABLE AND DISTRIBUTED GENERATION

Renewable and distributed energy development represents opportunity for Tribes to utilize their local resources in support of creating a sustainable economy. By taking a more active role in the generation of heat and electricity, Tribes can influence reduced energy costs for Tribal members and foster economic development through energy sales to commercial, industrial, or utility customers. However, recognizing no one size fits all solution, and identifying the most effective options can be a challenging process. The Division's staff of engineers, economists, and business development specialists is committed to helping Tribes formulate and implement energy development strategies that best fit with their unique circumstances and long term visions.



ENERGY AND MINERAL CAPACITY DEVELOPMENT

The Division's team assists Tribes to develop the managerial, organizational and technical capacity needed to maximize the economic impact of energy resource development on Indian land. Our goal is empowering Tribes to develop or enhance their business and regulatory environment for energy resource development through the establishment of organizational structure(s) and/or business entity structure(s) capable of engaging in commercial energy development or management activities.



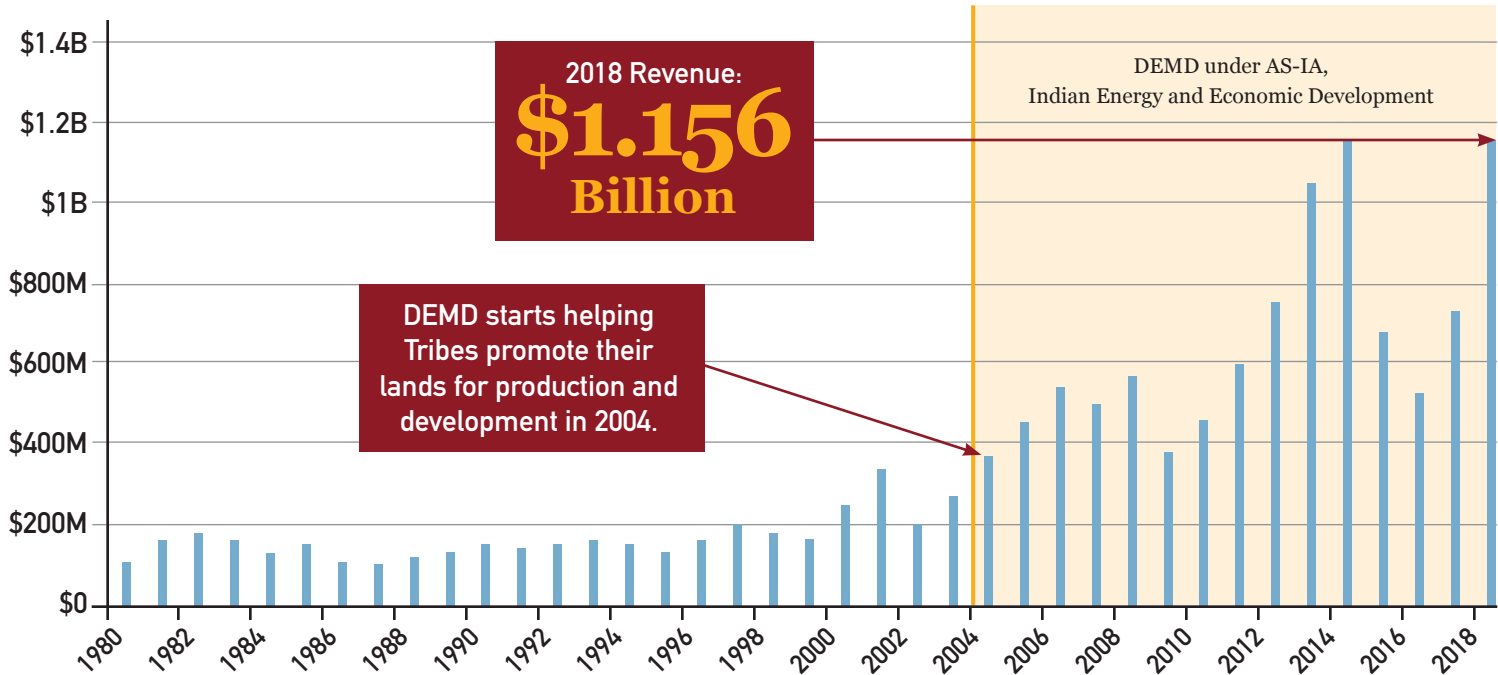
NATIONAL INDIAN OIL & GAS ENERGY AND MINERAL SYSTEM

NIOGEMS is a map-oriented computer application for managing reservation oil and gas lease, well, production data, and other energy/mineral resources. The NIOGEMS application provides a geospatial analysis of detailed and diverse datasets for rapid processing of energy and mineral development decisions in conjunction with Tribes, Federal Agencies, and Industry. This results in a dramatic reduction in permit processing times in Indian Country.



High Performance Adobe (HPA) crew members creating blocks at the HPA production yard in Jemez Pueblo

DEMD FUNDING AND TRIBAL ECONOMIC IMPACT



Total Royalty Revenues from Oil, Gas, LNG, Coal and Other Minerals on Indian Lands from 1980 – 2018

SUMMARY OF ECONOMIC ACTIVITY INDIAN LANDS (FY 2017)

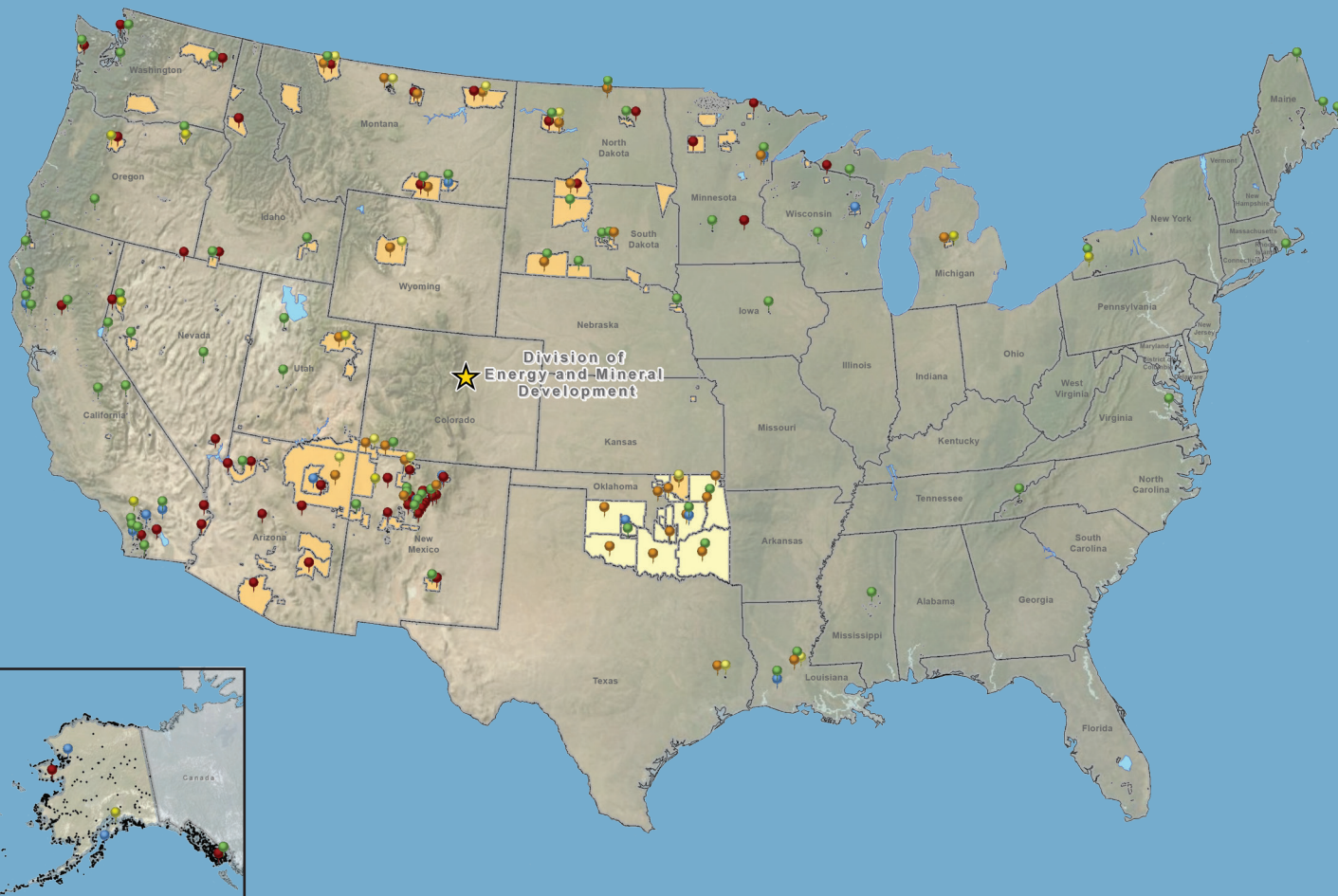
DOI Activity (FY 2016)	Direct Economic Contribution (Sales in Billions)	Jobs	Value Added (Billions, \$)	Total Economic Contribution (Billions, \$)
Grazing	.02	595	n/a	.05
Irrigation Water*	2.61	47,003	3.31	7.96
Energy**	4.17 (61%)	45,786 (49%)	6.00 (64%)	9.85 (54%)
Other Minerals***	.01	347	.05	.10
Timber	.05	508	.04	.12
Total Contribution to National Economy	6.86	94,239	9.40	18.08

Source: U.S. Department of the Interior Economic Report, Fiscal Year 2017

* Includes value of crops and jobs produced from irrigation water

** Does not include renewable energy. Tribal renewable energy production was associated with about \$100 million in value added, about \$171 million in economic output, and supported an estimated 638 jobs.

*** Does not include the majority of sand and gravel or other industrial minerals. In FY 2017, tribal sand and gravel production was associated with about \$103 million in value added, about \$189 million in economic output, and supported an estimated 834 jobs.



DIVISION OF ENERGY AND MINERAL DEVELOPMENT
2018 Active Grant and Technical Assistance Projects

83 Renewable & Distributed Generation

33 NIOGEMS

61 Solid Minerals

16 Capacity Development / TEDC

37 Fluid Minerals

Reservation Boundaries

Oklahoma Tribal Statistical Areas



Division of Energy and Mineral Development

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